

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	03/15/2019 03/15/2019	David Julian

LM Start		Rating **	A	Issue No.	3
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training				
DWR ID	DWR_RD0554_01_f_2014_3				
Comment Code					
Inspector Comment					
The district is prepared to partner with neighboring Districts as in the past.					

No Photos

LM Start		Rating **	A	Issue No.	35
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals				
DWR ID	DWR_RD0554_01_f_2014_35				
Comment Code					
Inspector Comment					
The district has the O&M Manual on hand.					

No Photos

LM Start		Rating **	A	Issue No.	36
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment				
DWR ID	DWR_RD0554_01_f_2014_36				
Comment Code					
Inspector Comment					
The district shares with neighboring district, RD 551.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Sacramento River	Left	1.13	03/15/2019 03/15/2019	David Julian

LM Start	0.02	Rating **	M	Issue No.	31
LM End	0.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.249449 °	38.247375 °
				-121.510017 °	-121.509990 °
DWR ID	DWR_RD0554_01_f_2016_31				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove/reduce wild growth on the waterside to 20 feet from the crown.					

Photo 1 of 1 : SP_2019_RD0554_176_31_20190311_00010.jpg



Looking downstream waterside levee slope from levee mile 0.08-0.30.

LM Start	0.10	Rating **	M	Issue No.	11
LM End	0.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.248262 °	38.248262 °
				-121.509901 °	-121.509901 °
DWR ID	DWR_RD0554_01_s_2014_11				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
This is not a new erosion site, repairs are needed. One tree has fallen into the Sac River at the erosion site. This site can be seen better from the river by boat. The wild grapes block the view from the waterside shoulder looking down the slope. Rated as M because it is an oversized levee section.					

Photo 1 of 1 : SP_2019_RD0554_176_11_20190311_00001.jpg



RD 554 Waterside levee slope erosion into the bank, the wild vegetation growth blocks the view.

LM Start	0.24	Rating **	M	Issue No.	28
LM End	0.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.246473 °	38.244993 °
				-121.510509 °	-121.511538 °
DWR ID	DWR_RD0554_01_f_2017_28				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove/reduce wild growth on the waterside to 20 feet from the crown.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	03/15/2019 03/15/2019	David Julian

LM Start	0.26	Rating **	M	Issue No.	24
LM End	0.36	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.246222 °	38.245017 °
				-121.510878 °	-121.511740 °
DWR ID	DWR_RD0554_01_f_2018_24				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 27.0 L					
Status: Eroding					
2017 Field Notes: Minor new erosion at toe.					
Site History: 2009 - Tension cracks on road on top of levee. Erosion into the levee slope and mass failure. 2013 - Short vertical sections at bank toe.					

Photo 1 of 2 : SP_2019_RD0554_176_24_20190311_00005.jpg



USACE 2013 Photo #1

LM Start	0.26	Rating **	M	Issue No.	24 (cont)
LM End	0.36	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2019_RD0554_176_24_20190311_00006.jpg



USACE 2013 Photo #2

LM Start	0.32	Rating **	U	Issue No.	13
LM End	0.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.245389 °	38.245389 °
				-121.511085 °	-121.511085 °
DWR ID	DWR_RD0554_01_s_2014_13				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
This erosion isn't repaired to date. Large bush growing in eroded gully. Needs repairing. Update photos during Fall 2019 inspection.					

Photo 1 of 3 : SP_2019_RD0554_176_13_20190311_00002.jpg



This erosion along the landside levee slope is not new, it was reported two years ago.

* Location		** Rating		+ Issue Type	
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WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
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Unit No. 01 Sacramento River	Left	1.13	03/15/2019 03/15/2019	David Julian

LM Start	0.32	Rating **	U	Issue No.	13 (cont)	
LM End	0.32	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.245389 °		38.245389 °
				-121.511085 °		-121.511085 °
DWR ID	DWR_RD0554_01_s_2014_13					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
This erosion isn't repaired to date. Large bush growing in eroded gully. Needs repairing. Update photos during Fall 2019 inspection.						

Photo 2 of 3 : SP_2019_RD0554_176_13_20190311_00003.jpg



This erosion site along the landside slope levee 0.32 has been reported and has not been repaired.

LM Start	0.32	Rating **	U	Issue No.	13 (cont)
LM End	0.32	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : SP_2019_RD0554_176_13_20190311_00004.jpg



This erosion is not repaired to date. Large bush growing in eroded gully. Needs repairing.

LM Start	0.45	Rating **	M	Issue No.	32
LM End	0.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.243818 °	38.243389 °
				-121.512459 °	-121.512919 °
DWR ID	DWR_RD0554_01_f_2017_32				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Waterside vegetation should be cleared to 20 feet from crown for inspection and access.					

Photo 1 of 1 : SP_2019_RD0554_176_32_20190311_00011.jpg



View of waterside vegetation

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
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C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
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Unit No. 01 Sacramento River	Left	1.13	03/15/2019 03/15/2019	David Julian

LM Start	0.58	Rating **	U	Issue No.	25	
LM End	0.58	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			38.242268 °		38.242268 °
				-121.513802 °		-121.513802 °
DWR ID	DWR_RD0554_01_f_2018_25					
Comment Code						
T2 : Thin trees to allow visibility of the ground and room to flood fight.						
Inspector Comment						

Photo 1 of 1 : SP_2019_RD0554_176_25_20190311_00007.jpg



View of thick trees on the landside slope (October 2018)

LM Start	0.88	Rating **	M	Issue No.	30
LM End	0.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.238680 °	38.237638 °
				-121.517010 °	-121.516871 °
DWR ID	DWR_RD0554_01_f_2016_30				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
These trees along this stretch of levee need to be trimmed from ground up 5.0 feet so the slope can be seen and accessed.					

Photo 1 of 1 : SP_2019_RD0554_176_30_20190311_00009.jpg



Looking downstream at the wild growth on the landside levee slope.

LM Start	1.00	Rating **	M	Issue No.	37
LM End	1.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.236991 °	38.235232 °
				-121.516812 °	-121.517341 °
DWR ID	DWR_RD0554_01_s_2017_37				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Thin out the trees and remove the wild growth blocking view of the levee section.					

Photo 1 of 1 : SP_2019_RD0554_176_37_20190311_00012.jpg



Trees on waterside should be thinned and trimmed to allow inspection and access.

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